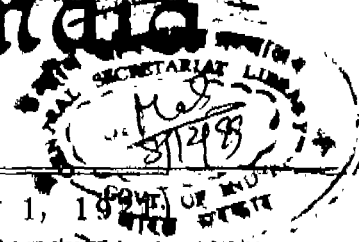


# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 43] नई दिल्ली, शनिवार, अक्टूबर 23, 1999 (कार्तिक 1, 1921)  
No. 43] NEW DELHI, SATURDAY, OCTOBER 23, 1999 (KARTIKA 1, 1921)

इस भाग में भिन्न पृष्ठ-संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 23rd October 1999

#### ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Mumbai, Delhi and Chennai having territorial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, IIIrd Floor,  
Lower Parel (West),  
Mumbai-400 013.

The States of Gujarat,  
Maharashtra, Madhya  
Pradesh and Goa and the Union  
Territories of Daman and  
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"  
Phone No. 482 5092  
Fax No. 022 495 6622.

Patent Office Branch,  
Unit No. 401 to 403, IIIrd Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana,  
Himachal Pradesh, Jammu and  
Kashmir, Punjab, Rajasthan,  
Uttar Pradesh and Delhi and  
the Union Territory of  
Chandigarh.

Telegraphic address "PATENTOFIC"  
Phone No. 578 2532  
Fax No. 011 576 6204.

Patent Office Branch,  
Wing 'C' (C-4, A),  
IIIrd Floor, Rajaji Bhavan,  
Besant Nagar, Chennai-600 090.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu &  
Pondicherry and the Union  
Territories of Laccadive, Minicoy  
and Amindivi Islands.

Telegraphic address "PATENTOFIS"  
Phone No. 490 1495  
Fax No. 044 490 1492.

Patent Office, (Head Office):  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th & 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"  
Phone No. 247 4401  
Fax No. 033 247 3651.

The Head Office of the Patent  
Office at Calcutta is the  
Receiving Office, Elected  
Office and Designated Office  
for International Applications  
under P.C.T.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

एकसूत्र तथा अधिकांश

कलकत्ता दिनांक 23 अक्टूबर, 1999

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं बैनार में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :-

पेटेंट कार्यालय शाखा, टांडी इस्टेट,  
तीसरा तल, लोअर परले (प.),  
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोवा राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

फोन 4825092 फैक्स : 0224950622

पेटेंट कार्यालय शाखा,

एकक सं. 401 से 405, तीसरा तल

महाराष्ट्र शासन, आचार्य अत्रे भवन,

सरस्वती मार्ग, करोले बाग,

मुंबई-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू

तथा कश्मीर, पंजाब, राजस्थान,

उत्तर प्रदेश तथा दिल्ली राज्य

क्षेत्र एवं संघ शासित क्षेत्र बंजीगढ़ ।

तार पता - "पेटेंटोफिस"

फोन : 5782532 फैक्स : 011-5766204

## पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए)

तीसरा तल, राजाजी भवन, बसन्त नगर,

बैनार-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्का  
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिस"

फोन : 4901495 फैक्स : 044-4901492

पेटेंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, द्वितीय महत्वादीय कार्यालय

भवन, 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700 020.

भारत का अधिपक्ष क्षेत्र ।

तार पता - "पेटेंटोफिस"

फोन : 2474401 फैक्स : 033-2473851

पेटेंट कार्यालय का कलकत्ता स्थित प्रधान कार्यालय पेटेंट  
सहायक सचिव के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसेप्शिन  
कार्यालय, इलेक्ट्रॉनिक कार्यालय व डीसिगनेटेड कार्यालय है ।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,  
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित  
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई  
फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण  
किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा  
जहां उपयुक्त कार्यालय अवस्थित है उस स्थान के अनुसूचित बैंक  
से नियंत्रक को भुगतान योग्य बैंक ड्रॉफ्ट अथवा बैंक द्वारा की  
जा सकती है ।

Application for the Patent filed at the Head Office 234/1,  
Acharya Jagadish Bose Road, Calcutta-700 020.

The dates shown in the crecent brackets are the dates  
claimed under section 135, under Patent Act, 1970.

2-9-1999

749/Cal/99. Haroutioun Ohannes Ohanesian, "Dual cylinder  
water well filter".

750/Cal/99. Uni-Charm Corporation, "Sanitary Napkin".  
(Convention No. 10-257977 on 11-09-98 in  
Japan).

3-9-1999

751/Cal/99. Johnson & Johnson Vision Products, Inc., "A  
method and support for supporting packages only  
at their edges during steam sterilization". (Con-  
vention No. 09/149362 on 8-9-98 in U.S.A.).

752/Cal/99. Lurgi Zimmer Aktiengesellschaft, "Copolyester  
Fiber". (Convention No. 19841375.0 on 10-9-98  
in Germany).

753/Cal/99. Lurgi Zimmer Aktiengesellschaft, "Process for  
feeding additives into a polymer melt stream".  
(Convention No. 19841376.0 on 10-9-98 in Ger-  
many).

754/Cal/99. Johnson & Johnson Vision Products, Inc.,  
"Wettable silicone-based lenses". (Convention  
No. 09/159024 on 23-9-98 in U.S.A.).

6-9-1999

755/Cal/99. Dalmia Yogesh Kumar, "Process for prepara-  
tion of fuel for use in vertical shaft kiln".

756/Cal/99. Stahlecker Fritz & Stahlecker Hans., "A bear-  
ing for spindles in spinning or twisting machines".  
(Convention No. 19855774.4 on 3-12-98 in Ger-  
many).

757/Cal/99. Thomson Multimedia, "Method of image comp-  
ression and device for implementing this method".  
(Convention No. 9811495 on 15-9-98 in France).

758/Cal/99. Degussa-Huls Aktiengesellschaft, "Amorphous  
silicic acids and metal silicates prepared by pre-  
cipitation and having a narrow mesopore radius  
distribution". (Convention No. 19841142.1 on  
9-9-98 in Germany).

759/Cal/99. Metallgesellschaft Aktiengesellschaft, "Reactor  
for gasifying granular fuels which form a fixed  
bed". (Convention No. 19841586.9 on 11-9-98  
in Germany).

760/Cal/99. Commonwealth Scientific and Industrial Research Organisation, "A container for the microwave cooking of vegetables". (Convention No. P06871 on 19-5-97 & PP 1522 on 27-1-98 in Australia).

7-9-1999

761/Cal/99. (1) Dr. Bose Probir Kumar (2) Sri Priyadarsi Banerjee (3) Sri Pratip Kumar Chatterjee, "Tamper proof locking device for bolts and nuts specially for RLY fishplates".

762/Cal/99. American Cyanamid Company, "Process for preparation of fungicidal mixtures". (Convention No. 09/150,557 on 10-9-98 in United States of America).

763/Cal/99. American Cyanamid Company, "Fungicidal Mixtures". (Convention No. 09/150,557 on 10-9-98 in U.S.A.).

764/Cal/99. Mallick Dilip Kumar, "Screw gill drawing frame".

8-9-1999

765/Cal/99. Saint-Gobain Vitrage, "Process for melting and refining vitrifiable materials". (Convention No. PCT/FR99/00123 on 22-1-99 in Canada).

766/Cal/99. Hollandse Signaalapparaten B. V., "Radar Apparatus". (Convention No. 1010062 on 10-9-98 in The Netherlands).

767/Cal/99. Samsung Electronics Co. Ltd., "Device and method for generating quaternary complex quasi orthoconal code in CDMA communication system". (Convention No. 37453/1998 on 8-9-98 & 54569/1998 on 9-12-1998 in Korea).

768/Cal/99. Thomson Multimedia, "Method of graphics data compression". (Convention No. 9811627 on 17-9-98 in France).

769/Cal/99. American Cyanamid Company, "Process for preparing halogenated phenylmalonates". (Convention No. 09/160,695 on 25-9-98 in United States of America).

9-9-1999

770/Cal/99. Gangopadhyay, Dr. Gaurab; Des. Dr. Saubhik; Mitra, Srijcet Kumar; Poddar, Dr. Ramit; Modak, Binoy Krishna and Mukherjee, Professor Kalyan Kumar, "Down stream processing in Micropropagation".

771/Cal/99. Shah Ketan Navin, "A natural fibre/yarn based geo-textile system".

772/Cal/99. Nylok Fastener Corporation, "Powder feed system". (Convention No. 90/327,034 on 7-6-1999 in United States of America).

773/Cal/99. Patil Vijaya Vikas, "An in-motion mechanized washing system for railway passenger coaches".

774/Cal/99. MCNEIL PPC, Inc., "Soft chewable tablets". (Convention No. 09/135,723 on 18-8-1998 in U.S.A.).

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition

should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनो में से किसी पर पेटेंट अनुदान को धिरोब करने के ह्मछुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी जगह में उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कमी से निर्देश एक एकल को उपयुक्त कार्यालय में ऐसे विराम की सूचना निहित प्ररूप 7 पर दे सकते हैं। विराम संबंधी लिखित बतव्य ही प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के क्रम या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत सुधानिहित उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संबंध में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण को अनुक्रम है 3]

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अवश्यी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश को अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ वन 30/- रुपये की अवश्यी पर की जा सकती है।

Cl. : 27 F 1

183261

Int. Cl. : E 04 B 1/58, 5/12  
F 16 B 5/00.

A FASTENER FOR ATTACHING PARALLEL PLANKS GENERALLY TRANSVERSELY TO A SUPPORT MEMBER.

Applicant : ALCHEMY NOMINEES PTY LTD., OF 46/135 MACQUARIE STREET, "TENERIFFE WHARVES", TENERIFFE, QUEENSLAND 4005, AUSTRALIA.

Inventor : RICHARD JAMES SACHS.

Application No. 287/Cal/95 filed on 14th March, 1995.

(Convention No. PM4570 on 18th March, 1994 in Australia).

Appropriate Office for: Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

### 8 Claims

A fastener (10) for attaching at least two parallel planks (30) generally transversely to a support member (20) the planks having respective side surfaces, said support member having a top surface (21) for receiving the planks and at least one side surface (22) substantially perpendicular thereto, said fastener comprising:

a joist attachment plate (11) for attachment to the side surface (22) of said support member (20), said joist attachment plate forming a first plane;

a plank spacer (14) adapted to extend beyond the top surface (21) of the support member (20) said plank spacer (14) comprising an upright projection (15) formed integrally with the joist attachment plate (11) the upright projection (15) having an upper portion (16) extending substantially perpendicular to the plank spacer (14);

axially aligned tapered plank engaging teeth (17, 18) extending from opposed sides of the upper portion (16) of the upright projection (15) in a second plane substantially perpendicular to the first plane of said joist attachment plate (11) to engage the respective side surfaces of adjacent planks supported on the top surface (21) of the support member, and

at least one spacer flange (13) extending from the joist attachment plate (11) substantially perpendicular thereto in use to extend between the support member (20) and adjacent planks (30) supported thereon.

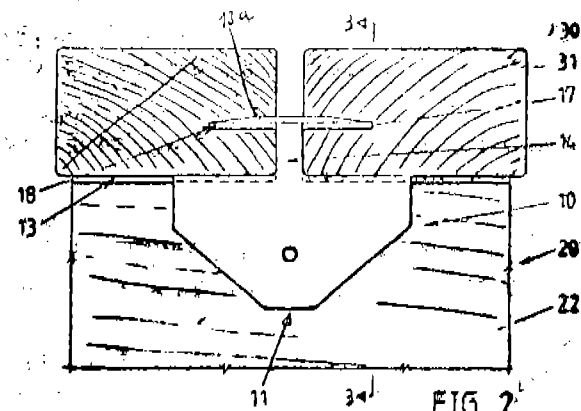


FIG. 2

(Compl. Specn. 20 Pages;

Drgns. 5 Sheets)

Cl. : 172 D2, B3, D4

183262

Int. Cl. B 01 H 7/04, 7/12, 7/06, 7/20, 7/10.

BEARING DEVICE PARTICULARLY FOR A SPINNING SPINDLE, A SPINDLE WHORL OR A TURNING OR TWINING SPINDLE.

Applicant : SKF TEXTILMASCHINEN-KOMPONENTEN GMBH, OF LOWENTORSTRASSE 68, D-70367 STUTTGART, GERMANY.

Inventors :

MANFRED PLANK  
GUNTER DURR  
MARTIN ENGLER  
HANS-PETER FORSTER  
CLAUS HOFSTETTER  
ULRICH OTT  
MARTIN SAILER  
HELMUT SPEISER  
STEPHAN WEIDNER, BOHNENBERGER

Application No. 301/Cal/95 filed on 20th March, 1995.

Appropriate office for opposition proceedings (Rule 4, patent rule 1972) Patent Office Calcutta.

### 30 Claims

Bearing device, particularly for a spinning spindle, a spindle whorl or a turning or twining spindle, said bearing device comprising a foot step bearing (21) for the shaft end of the spindle and a neck bearing for the spindle collar, the foot step bearing and the neck bearing being positioned in two separate regions of the bearing device, characterized in that said foot step bearing is housed in a foot step bearing unit (20) which is outwardly sealed; said unit (20) is of an approximately cylindrical shape; and springing/damping elements (28-30) are provided in said foot step bearing unit (20) for springing/damping said foot step bearing.

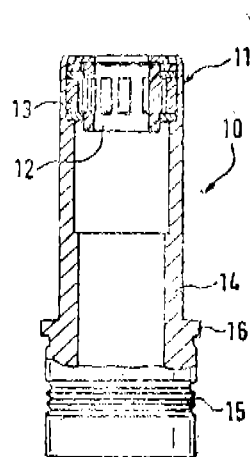


Fig. 1a

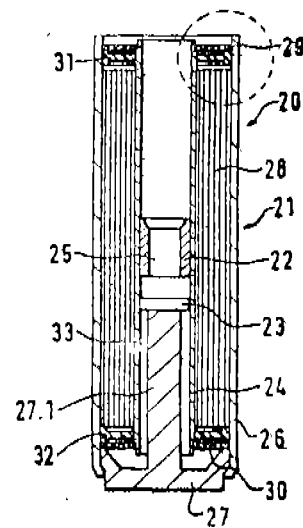


Fig. 1b

Compl. Specn : 21 pages

Drgns : 5 sheets.

Cl. : 47 A, B

183263

Int. Cl. 4 : C 10 B 49/00, 49/02.

A PROCESS FOR CARBONISATION OF LOW GRADE NON-CAKING COAL AND A CARBONISER KILN USED THEREFOR.

Applicant & Inventor : RAGHUBIR LATH, P. O., & DIST JHARSUGUDA-1 (ORISSA), INDIA.

Application No. 506/Cal/94 filed on 28th June, 1994.

(Complete specification left after provisional on 27-09-1995)

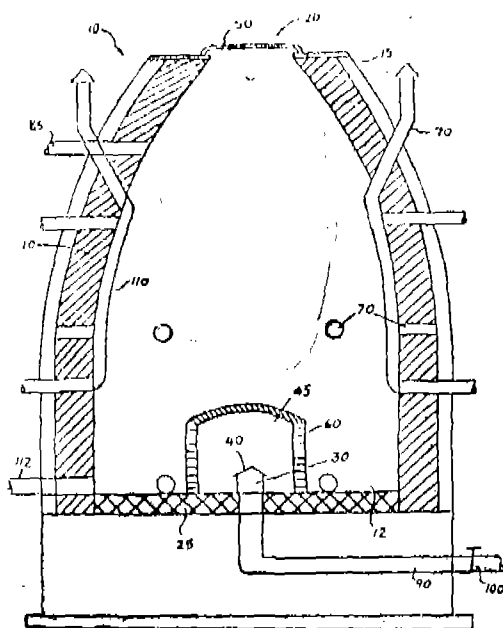
Appropriate office for opposition proceedings (Rule 4, patent rule 1972) Patent Office Calcutta.

### 13 Claims

A process for carbonisation of low grade non-caking coal having less than 12% caking index by subjecting said non-caking coal to controlled combustion in a series of interconnected kilns which process comprises the following steps :

- charging coal into an ignited kiln and allowing said charge to burn upto a temperature of 600°C;
- carbonising under controlled temperature vaporizing from 200° to 600°C, said entire charge to soft coke whereby emitting moisture, producer gases, flue gases and coal volatile matters;

- (iii) allowing said volatile matters to pass through a gas outlet to next kiln for preheating the charge to soften volatile materials in raw coal and facilitate quick and uniform carbonisation of coal inside said kiln;
- (iv) cooling by air-quenching resulting in lesser cooling time and fuel economy, said coal inside the kiln; and
- (v) recovering coke which is enriched with fixed carbon content.



Compl. Specn : 22 pages  
Provl. Specn : 10 pages

Drgns. 1 sheet.  
Drgns : 1 sheet.

Cl. : 80 E

183264

Int. Cl. : B 01 D 25/06.

A FILTER ELEMENT HAVING AN INHERENTLY STABLE POROUS SUPPORTING BODY AND A METHOD FOR PRODUCING IT.

Applicant : HERDING GMBH FILTERTECHNIK, OF AUGUST-BORSIG-STRASSE 3, 92224 AMBERG, GERMANY.

Inventor : WALTER HERDING

Application No. 576/Cal/95 filed on 22nd May, 1995.

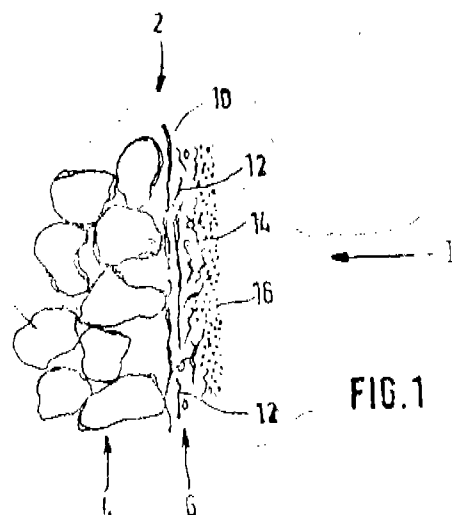
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

17 Claims

A filter element (2) having an inherently stable, porous supporting body (4) and, on its afflux surface for fluid to be filtered, a fibrous coating (6) of the supporting body (4) which is finer-pored than the supporting body (4), the fibrous coating (6) being bound to the supporting body (4) in part by a fiber/fiber bond and in part by a fiber/supporting body bond,

characterised in that the average pore size of the supporting body (4) is approximately 10 to 100µm, and the fibrous coating (6) has first fibres (10) whose length is greater than the average pore size of the supporting body (4), and second fibres (12) whose length is clearly smaller than the length of the first fibres (10) and smaller than the average pore size of said supporting body (4) to create the fine porosity of the fibrous coating (6); the part by weight of the second fibres (12) is greater than that of the

first fibres; and optionally a coating layer consisting of fine grained particles (16) is applied on the outside of said fibrous coating (6).



Compl. Specn : 19 pages

Drgns : 1 sheet.

Cl. : 195 D

183265

Int. Cl. : F 15 D 1/00

APPARATUS FOR CONTROLLING TURBULENCE IN A WALL-BOUNDED FLUID FLOW FIELD HAVING A TURBULENT WALL REGION.

Applicant : ORLEW SCIENTIFIC COMPUTING CO., OF P. O. BOX 68, YAVNE 60650, ISRAEL.

Inventors :

LAWRENCE SIROVICH  
EUGENE LEVICH  
LUCIEN Y BRONICKI

Application No. : 621/Cal/95 filed on 31st May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

7 Claims

Apparatus (50) for controlling turbulence in a wall-bounded fluid flow fields (10) having a turbulent wall (12) region having a system of roll pairs (14,16) whose size is functionally related to the strength of the flow, and which extend in the direction of flow, and by propagating structure of coherent patterns that propagate obliquely to the direction of flow at a substantially constant group speed, characterized in that the apparatus (50) comprises first means strip (51) of means such as a delta shaped protrusions (53), and second means (54) comprising sound generator (55) in the form of a resonator box to which loud speaker (56) is attached at its free end (58) to produce a disturbance such that the said disturbance is strongly coupled to and modifies the obliquely propagating structure in a manner that increases or decreases the interaction of the propagating structures with the system of roll pairs and

enhances the organization of the rolls thereby locally increasing or decreasing the turbulence and drag in the flow field.

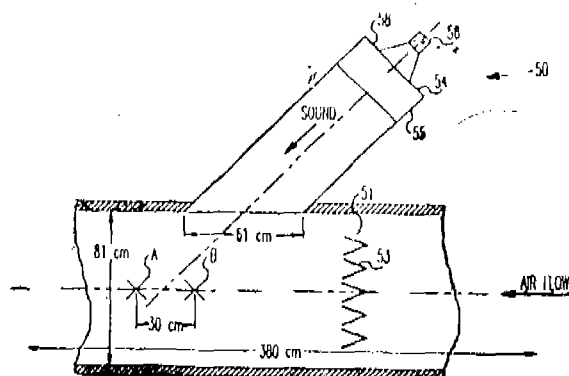


FIG. 10a

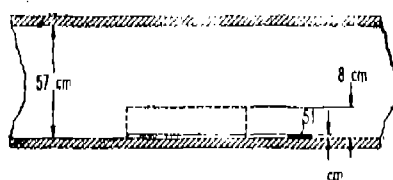


FIG 10b

Compl. specn : 24 pages

Drgns : 14 sheets.

Cl. : 35 E

183266

Int. Cl.<sup>4</sup> : C 03 B 5/42

#### METHOD FOR PRODUCING A MONOLITHIC COMPOSITE REFRACTORY STRUCTURE.

Applicant : REFEL S. P. A., OF VIA TOLMEZZO 4, ZONA INDUSTRIALE PONTE ROSSO, 33078 S. VITO AL TAGLIAMENTO (PROV. OF PORDENONE) ITALY.

Inventors : GIANCARIO DINELLI, ALESSANDRO FANTINEL.

Application No. : 661/Cal/95 filed on 12th June, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

#### 4 Claims

Method for producing a monolithic composite refractory structure as herein described using conventional molds for producing blocks made of electrocast refractory material or the like; characterized in that it consists in :

- preparing a conventional mold for the production of a block of electro-cast refractory material as herein described;
- preparing at least one protective insert that is highly resistant to the attack of molten glass and has shapes and dimensions that are adapted to constitute a continuous protective barrier at least for those regions of the refractory block that are meant to be most exposed to said attack;
- positioning, inside said mold, the supporting and/or suspension elements for said insert, which are shaped and arranged so as to keep said insert, stably and fully immersed within the mold and therefore in the refractory block after casting at,

and also so that its surfaces are in a parallel position and are located proximate to the surfaces of the block that are exposed to the attack; and

- casting, with clearly determined and planned timings, molten refractory material into said mold according to method and an equipment for introducing molten material at the melting temperature that are capable of avoiding movements of the insert with respect to the walls of the mold; and finally
- stopping the casting when the mold is filled and then cooling the block of refractory that contains the insert according to successive cycles, so as to achieve an intimate, continuous, and permanent contact between the insert, the supporting elements, and the refractory part.

(Compl. Specn. : 20 pages;

Drgns. : 6 sheets)

Cl. : 206 H

183267

Int. Cl.<sup>4</sup> : H 04 N 3/23

#### DEFLECTION YOKE WITH REDUCED RASTER DISTORTION.

Applicant : THOMSON TUBES & DISPLAYS, S. A., OF 9, PLACE DES VOSGES, LA DEFENSE 5, COURBEVOIE, FRANCE.

Inventors :

NACERDINE AZZI  
OLIVIER MASSON

Application No. : 678/Cal/95 filed on 14th June, 1995.

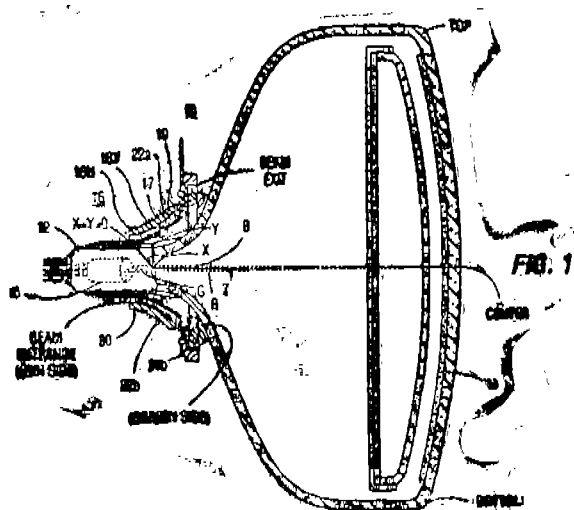
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

#### 5 Claims

A deflection yoke mounted on a neck of a cathode ray tube, comprising :

- a core (17) made of magnetic material;
- a horizontal deflection winding (18H) disposed adjacent said core for producing a horizontal deflection field; and
- a vertical deflection winding (18V) disposed adjacent said core for producing a vertical deflection field comprising a pair of saddle shaped coils, each having a plurality of winding turns that form first and second side sections (71) extending in a longitudinal direction (Z) of said yoke, a front endturn section (72), disposed adjacent a screen end of said yoke between said first and second side sections and a rear endturn section (14a, 14c) disposed remote from said screen end and between said side sections, said rear endturn section being constructed in a manner to concentrate the majority of its winding turns close to said gun end for maintaining a ratio (0.1) less than 0.15 between a length of a region (between 80 and 83) of said rear endturn section that includes 50% of all the winding turns in said rear endturn section; including the winding turn (80) closest to said gun end, and said effective length of said vertical deflection field ( $\alpha=107\text{mm}$ ), resulting in a vertical deflection center [Z(c)] that is shifted toward a gun side of said yoke relative to a horizontal

deflection center such that a ratio between a first length (DIFF) separating said deflection centers and said effective length of said vertical deflection field is (0.13) greater than 0.09 so as to significantly reduce raster distortion.



(Compl. Specn. 13 Pages;

Drgns. 6 Sheets)

CL ; 187 FI

183268

Int. Cl.<sup>8</sup> : H 05 K 7/10

## A PROTECTION PLUG FOR TELECOMMUNICATIONS INSTALLATIONS.

Applicant : KRONE AKTIENGESELLSCHAFT, OF  
14167 BERLIN-ZEHLENDORF, GERMANY.

**Inventors :**

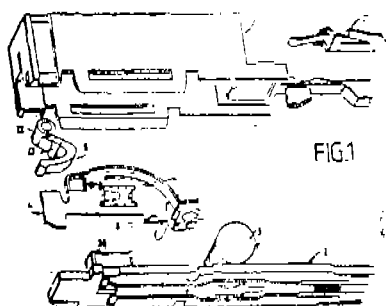
BUSSE, RALF-DIETER.  
KLEIN, HARALD.  
OLTMANN, JOHANN.  
RICHTER, GERD.

Application No. 706/CaI/95 filed on 20th June, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

#### 4 Claims

A protection plug, for telecommunication installations, comprising a housing with a printed circuit board, a voltage-surge suppressor, a slider, a spring, an earth plate, a signalling element, characterized by that, the slider (4) is pre-loaded over a support face (17) and over an edge (20) at the inner housing wall in the housing (1) by the spring (8), and that a shaped part (7) of solder material is loaded to a minimum extent only by the spring force (pressure force) of the slider (4).



(Compl. Specn. 9 Pages;

Drgns. 5 Sheets)

Cl. : 32 E

183269

Int. Cl.<sup>4</sup> : C 08 G 59/02

# A PROCESS FOR THE PREPARATION OF A PHOSPHORUS-MODIFIED EPOXY RESIN

Applicant : HOECHST AKTIENGESELLSCHAFT, OF  
D-65926 FRANKFURT AM MAIN FEDERAL REPUB-  
LIC OF GERMANY & SIEMENS AKTIENGESELL-  
SCHAFT, OF D-80333 MUNICHEN GERMANY.

**Inventors :**

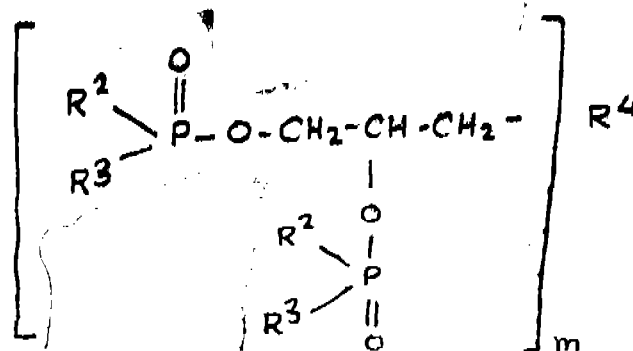
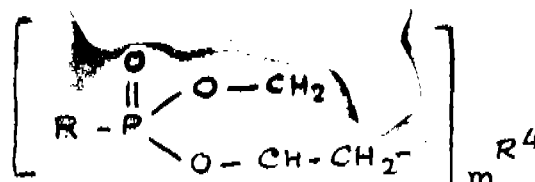
HANS-JERG KLEINER.  
JURGEN HUBER.  
HEINRICH KAPITZA.  
WOLFGANG ROGNER.

Application No. 849/Cal/95 filed on 24th July, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

## 6 Claims

A process for the preparation of a phosphorus-modified epoxy resin of the formula I and/or of the formula II



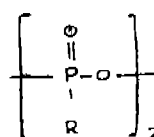
in which :

R<sup>1</sup>, R<sup>2</sup> and R<sup>4</sup> independently of one another are a hydrocarbon radical having 1 to 20 carbon atoms, preferably 1 to 10 carbon atoms.

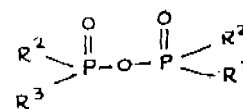
$R^1$  is the radical, reduced by the glycidyl groups, of a polyepoxide compound containing glycidyl group, and

m is an integer from 2 to 6, preferably 2 to 4,

which comprises reacting a phosphonic acid anhydride of the formula IV and/or phosphinic acid anhydride of the formula V

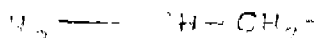


[ ୧୧ ]



151

in which  $R^1$ ,  $R^2$  and  $R^3$  have the abovementioned meaning and  $z$  is at least, preferably 3 to 10, with a polyepoxide compound of the formula VI



in which  $R^4$  and the index  $m$  likewise have the above meaning at a temperature of from  $-20^\circ\text{C}$  to  $170^\circ\text{C}$ , optionally in an inert solvent.

(Compl. Specn. 15 Pages;

Drgn. Nil)

Cl. : 27 I

183270

Int. Cl. : B 21 D 47/04

A METAL HONEYCOMB BODY.

Applicant : EMITEC GESELLSCHAFT FUR EMISSION-STECH NOLOGIE MBH, OF HAUPTSTRASSE 150, 53797 LOHMAR, GERMANY.

Inventors :

HANS BODE.

UDO MARTIN.

Application No. 1149/Cal/95 filed on 22nd September, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

#### 10 Claims

A metal honeycomb body with a number of channels (2) through which a fluid (F) can flow in a flow direction (R), comprising metal sheets (3, 4), at least some of which are provided with at least one first microstructure which forms the channels (2) and determines the honeycomb shape, wherein at least some of the sheets (3, 4) are provided with additional microstructures at least in some regions, and the microstructures extend at an angle (6) to the flow direction (R) and succeed one another at intervals, characterized in that the microstructures (5) intersect one another.

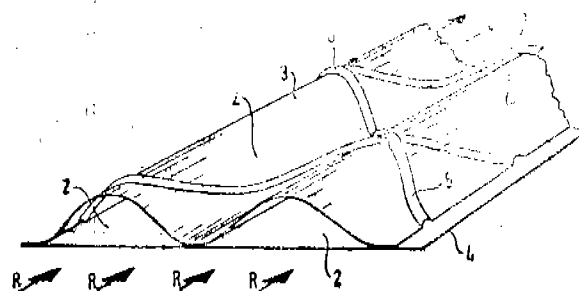


FIG.1

Compl. Specn. 8 Pages;

Drgns. 2 Sheets.

### COMMERCIAL WORKING OF PATENTED INVENTIONS

#### CHEMICAL ENG. INDUSTRY LIST. NO. III

The following patents in the field of Electric / Engineering Industry are not being commercially worked in India as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act 1978 in respect of Calendar year 1996 generally on account of want of request for licences to work the Patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of the Invention
1	2	3	4
164033	07-10-85	Compagnie Industrielle De Tubes Et Lampes Electriques Citel Moulineaux, France.	Discharger for the protection of coaxial conducting cables against overvoltages.
164524	28-10-85	Do.	Arrester device for protecting a circuit against overvoltage.
174560	11-10-88	Do.	Lighting arrester device
157410	15-12-83	Central of Scientific & Industrial Research New Delhi.	An electrochemical process for the preparation of n-butyric acid from N-butanol using nickel oxyhydroxide anode.
157507	31-03-83	Do.	Process for the electrochemical preparation of alkali metal chromate from chromium salts.
158256	23-04-83	Do.	An improved process for the preparation of anhydrous magnesium chloride for use as cell feed for the electrolytic production of magnesium metal.
158816	02-02-83	Do.	Digital set point proportional controller device for use with precision unit operations in the chemical industry.



1	2	3	4
159410	07-08-84	Council of Scientific & Industrial Research, New Delhi.	An improved process for the manufacture of silicon varactor diode from epitaxial wafer.
160011	06-06-84	Do.	A modified starter for a single phase induction motor.
161055	12-06-85	Do.	An improved process for electrochemical synthesis of polypyrrole.
161135	10-04-84	Do.	A digital sine and cosine function generator for electronic instruments which require discrete frequencies.
161980	01-07-85	Do.	An improved process for the preparation of manganese dioxide titanium anodes for use in production of electrolytic manganese dioxide.
162241	05-12-85	Do.	A method of making a sensor or multion sensitive electrode and voltammetric applications and the sensor so made.
162352	08-11-85	Do.	An improved process for the preparation of ruthenised titanium electrode.
162627	08-03-85	Do.	Low power water cooled klystron valves
162733	13-09-85	Do.	Improvement in or relating to Hexadecimal keyboard.
163102	21-02-86	Do.	Improvements in or relating to frequency Agile magnetron.
163177	30-08-85	Do.	An improved device for starting room air conditioner units.
163185	30-08-85	Do.	A direct reading for probe resistivity meter.
163219	17-02-86	Do.	An improved process for electrolytic production of lead.
163445	29-03-85	Do.	Improved process for making transparent electrically conducting patterns on glass substrates for electro-optical display devices.
166148	05-06-87	Do.	An improved process for making silver sensing ion-selective coated film.
166188	23-03-87	Do.	Microprocessor based automated control unit for monitoring multi-electrochemical protection system.
166228	20-01-87	Do.	An improved three phase motor starter with inbuilt single phase preventor.
166254	27-09-87	Do.	Method of making chemically modified iodide ion selective electrode.
166411	28-09-85	Do.	Improvements in or relating a process for the preparation of the neerumic magnets.
167859	21-01-88	Do.	Electronic digital maximum demand indicator.
167953	22-02-88	Do.	Timer actuated switch for industrial dust collectors as well as for the control of sequential cyclic switching of loads.
167996	29-10-86	Do.	A process for direct electro-winning of lead metal from galena concentrate

1	2	3	4
168044	19-10-87	Council of Scientific & Industrial Research, New Delhi	An improved electronic chip
169587	16-12-87	Do	Electronic control device for electrochemical dissolution process.
170228	05-06-87	Do.	A device for automatic uninterrupted single phase power supply from a three phase power supply source.
171794	31-12-87	Do.	An improved process for the preparation of high temperature super conductor.
173333	31-12-87	Do.	A process for production of electrical contact material.
174782	04-08-88	Do.	An electronic probe for the detection of metal embedded in earthen embankments.
173902	15-02-89	Do.	A device for monitoring neutral to ground voltage for protection of electronic equipment.
175172	13-06-89	Do.	An apparatus for producing extremely fine tips of electrolytically etchable material.
175440	12-10-88	Do.	A process for cathodic deposition of a resin-over metal sheets.
175439	27-06-89	Do.	A device for the electrolytic preparation of magnesium perchlorates.
175514	18-12-90	Do.	A high current measuring device for direct and alternating current power circuits with complete isolation.
175846	07-02-90	Do.	A process for electro-deposition of platinum on titanium substrates.
176016	08-03-90	Do.	An improved process for the preparation of high critical temperature super conductor wires sheets and strips.
32	15-12-88	Do.	A process for preparation of flower abootutes.
176070	07-09-89	Do.	An electrical fault diversion device energised by a three phase power supply for protection against electrical hazards in underground minex.
175519	12-04-89	Danecell International, Inc of Berkshire Industrial park Bethel connecticut-06801. USA.	Sealed electrochemical cell.
165527	31-07-85	Energy Conversion Device Inc,	An electrophotographic photoreceptor.
166431	03-04-86	—do—	Improved method of manufacturing a semi conductor member of a substrate utilizing microwave energy.
176145	05-09-89	GEC Alsthem Ltd. of British Co,	An equipment for locating the position of a fault on a power transmission line.
166223	09-04-86	The General Electric Company Ltd. of England.	Differential relay to protect an electrical feeder.
167685	02-06-87	La-Telemechanique Electrique of France	Frequency converter for the power supply of a synchronous motors.

(1)	(2)	(3)	(4)
171351	13-07-87	La-Telemecanique Electrique of France	A device for preventing accidental change of one or more selected root modes of manual control member.
172195	13-07-87	—do—	Snap acting switching device.
172722	01-07-88	—do—	Overlead thermal relay
174569	14-12-88		A thermally protected electrical switching appartus.
174605	16-03-89	—do—	An electromagnet for actuating the switches of a contact marker apparatus.
174606	23-03-89	—do—	Connection terminal for an electric apparatus.
175607	30-03-89	—do—	Electric contact maker apparatus.
176003	17-10-89	—do—	A safety device for switching appliances.
160387	20-02-84	Limca Research incorporated of Canada.	Apparatus for the detection and measurement of suspended particulate in molten metal.
176173	08-08-89	Meterela Inc of 1303 East Algonquin rd Illinois USA	Device for automatically adjusting without human intervening the operating parameters of a mobile radio.
175149	16-12-87	PPG Industries Inc, of one PPG place USA	Method for depositing high temperature-resistant film on a transparent sheet of glass of similar material.
175158	16-12-87	—do—	A high transmittance low emissivity heatable transparent coated sheet of glass or similar material.
174859	06-12-89	Samsung Electron Devices Co. Ltd., Korea.	A method of manufacturing an electrode of an electron gun of a cathode ray tube.
174860	06-12-89	—do—	A method of manufacturing an electrode for an electron gun of a cathode ray tube.
175178	10-01-90	—do—	Welding device for cathode of electron gun of cathode ray tube.
175563	10-01-90	—do—	Straightness measuring device for electron gun assembly.
175564	10-01-90	—do—	A measuring device for measuring the gaps between the components of an electron gun.
172742	18-12-86	The standard Oil Company of Cleveland Ohio-44114-2375, USA	A method for the manufacture of ohmic contacts.
166735	21-04-86	Vacum interrupters Ltd., of London, N3, 2 BU, England.	A contact for an electric switch.
166736	24-04-86	—do—	A contact for an electric switch.
166317	06-10-86	Videocolor of 7, Boulevard Eoma, in Poland, France	A device for correcting the deflection effect due to a variation of the focusing voltage in trichromatic cathode ray tube with in line cathodes.

(1)	(2)	(3)	(4)
166440	01-10-86	Videocolor of 7, Boulevard Rama, in polland France.	An electron gun for a Cathode ray tube & method of manufacturing a hearing filament of said electron gun.
166455	28-05-86	—do—	Method & device for illuminating the face plate of a color television tube for formation of the screen.
166688	01-10-86	—do—	Machine for depositing a product on a plane horizontal surface of an object.
166689	01-10-86	—do—	Device for automatic simultaneous measurement of the respective distances between cathodes & the second grid of a tri-chromatic cathodes tube gun.
167739	01-10-86	—do—	A device for the manufacture of basses for vacuum tubes.
176165	01-12-88	Whirlpool, Corporation state of Delaware.	Automatic laundry washer.
176872	10-05-89	—do—	An automatic washer having a clutch mechanism.

#### CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 405/Cal/93 (179215) made by Precision Valve Australia Pty. Limited & Rodney Malcolm Druitt has been allowed to proceed in the name of Closures & Packaging Services Limited.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Thomson Consumer Electronics, Inc., in respect of Patent Application No. 177990 (411/Cal/91) as advertised in Part-III, Section-2 of the Gazette of India on 03-04-1999 and no opposition being filed within the stipulated period, the said amendments have been allowed.

Notice is hereby given that M/s. Lonza Ltd. Gampel/Valais (Direction : Basle) Switzerland, a Swiss Company have made an application under Section 57 of the Patent Act, 1970, for amendment of application of their application for Patent No. 909/Mas/94 (178809) for "A process for preparing an imidazopyridine derivative" The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 'C' Wing (C-4. A) III Floor, Rajaji Bhavan, Besant Nagar, Chennai-600 090, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Chennai-90. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that E. I. Du Pont De Nemours & Company, Manufacturers of Wilmington, Delaware, U.S.A., a corporation organized and existing under the laws of the State of Delaware, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 180003 (760/Cal/93) for "A process for electrolessly plating aramid fibres.

The amendment are by way of change of address for service from L. S. Davar & Co., to Rmfry & Sagar, 8, Nangal Raya Business Centre, New Delhi-110046.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filling the said notice.

The Design Act, 1991  
Section : 63

#### DESIGN ASSIGNMENT

The following design stand in the name of Siemens Telecom Ltd., has been assigned in the Register of Design in the name of Siemens A.G.,

Design No's, Class & Name  
174759 to 174762 3 "Siemens A.G., Hofmannstrasse 51, 81379, Munich, Germany.

## RENEWAL FEES PAID

177373 168836 176199 180000 181350 167929 177957 179944  
~~178644~~ 179217 181811 173664 181600 179936 173416 174953  
~~179860~~ 171133 176629 176630 180889 181537 181642 182059  
~~182060~~ 182076 182173 182174 173215 173542 173665 177208  
~~177359~~ 177395 179820 181321 182105 182107 182177 175965  
~~175978~~ 173275 173287 170717 165413 173136 170885 175276  
~~178169~~ 173749 176515 180704 172993 180005 179926 176297  
~~177347~~ 169714 172867 173047.

## PATENT SEALED ON 24-09-99

171364\* 182246 182256 182257 182258 182261 182262  
~~182263~~ 182266 182272 182279 182281\* 182283 182284  
~~182285~~ 182286\* 182287\*D 182289\* 182291\* 182292 182294  
~~182297~~ 182299 182301 182302\* 182303 182305\*D 182307\*D  
~~182308~~\*D 182309\*D 182310\*D 182312 182316 182317  
~~182318~~ 182319\* 182320\*D 182323\*D 182324\*D 182325\*D  
~~182326~~\*D 182327\*D 182328\*D 182329\*D

Cal-25, Del-16, Mum-01, Chen-02

\*Patent shall be deemed to be endorsed with words Licence of Right Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D Drug Patents

F Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 1. No. 175041, Dheeraj Narain, an adult Indian national whose address is 834/54, Lekhu Nagar, Tri Nagar, Delhi 35, India, "Gas Regulator (Commercial Type)", 19th November 1997.

Class 1. No. 175044, Esque General Industries, a registered partnership firm having office at 12, Gasper Enclave, St. John's Street, Off Ambedkar Road, Bandra (W), Bombay-400050, Maharashtra, India, "Door & Window Frame Section", 20th November 1997.

Class 3. No. 175040, Rakesh Arora trading as Bharat Fountain Pen Industries, Indian company of AL-18, Bagree Market, 71, Canning Street, Calcutta-700001, West Bengal, India, "Pen", 18th November 1997.

Class 3. No. 175042, Eveready Industries India Ltd., an Indian company of 1 Middleton Street, Calcutta-700071, West Bengal, India, "Flash Light", 19th November 1997.

Class 3. No. 175045, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, "Handy Grater", 20th November 1997.

Class 3. No. 175046, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, "Spice Shanker" 20th November 1997.

Class 3. No. 175047, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, "Pastry Server", 20th November 1997.

Class 3. No. 175048, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, "Slim Lunch Box", 20th November 1997.

Class 4. No. 175036, Rhone-Poulenc (India) Limited of Rhone Poulenc House, Worli, Mumbai-400025, India, "Bottle", 18th November 1997.

A. E. AHMED

Cont. Genl. of Patents Designs & Trademarks

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मूद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1999

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,  
 AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1999

